

Attorney Docket : ANVIL.001BNP4
Appl. No. : Unknown
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AMENDMENTS TO THE CLAIMS

1.-25. **(Canceled)**

26. **(Original)** A kit for stenting a bifurcation in a vessel, comprising:

a branch vessel stent, having a proximal end, a distal end, and at least one frond extending from either the proximal or distal end; and

a main vessel stent, for entrapping the frond against a vessel wall.

27. **(Original)** A kit as in Claim 26, additionally comprising a first balloon catheter for deploying the branch vessel stent.

28. **(Original)** A kit as in Claim 27, additionally comprising a second balloon catheter for deploying the main vessel stent.

29. **(Canceled)**

30. **(New)** A kit as in Claim 26, wherein the at least one frond includes at least three fronds.

31. **(New)** A kit as in Claim 26, wherein the at least one frond comprises a helical configuration.

32. **(New)** A kit as in Claim 31, comprising a plurality of helical fronds.

33. **(New)** A kit as in Claim 26, wherein at least a portion of the at least one frond comprises a lubricous coating.

34. **(New)** A kit as in Claim 26, comprising an endothelial cell ingrowth surface.

35. **(New)** A kit as in Claim 26, comprising a non thrombogenic surface.

36. **(New)** A kit as in Claim 26, further comprising a circumferential link that connects each of the fronds.

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37. (New) A kit as in Claim 36, wherein at least a portion of the branch vessel stent comprises a drug coating, and at least a portion of the fronds and the circumferential link are without a drug coating.

38. (New) A kit as in Claim 37, wherein the drug coating is configured to produce at least one of a controlled drug release rate, a constant drug release rate, bi-modal drug release rate or a controlled concentration of drug proximate a target vessel wall.

39. (New) A kit as in Claim 37, wherein the drug is one of an anti-cell proliferative, anti cell migration, anti-neo plastic, anti inflammatory drug.

40. (New) A kit as in Claim 37, wherein the drug is configured to reduce an incidence or amount of restenosis.

41. (New) A kit as in Claim 37, wherein the drug coating includes a first coating and a second coating.

42. (New) A kit as in Claim 41, wherein the first coating is configured to produce a first drug release rate and the second coating is configured to produce a second drug release rate.

43. (New) A kit as in Claim 36, wherein the circumferential link is expandable from a first, reduced diameter to a second, enlarged diameter.

44. (New) A kit as in Claim 36, wherein the support is on a first end of at least one of the fronds, and the circumferential link is on a second end of at least one of the fronds.

45. (New) A kit as in Claim 36, wherein the circumferential link is radiopaque.

46. (New) A kit as in Claim 36, wherein the circumferential link has a greater radiopacity than the frond.

47. (New) A kit as in Claim 27, wherein the distal end of the branch vessel stent is carried by a first portion of the first balloon that is inflatable to a first diameter and at least a portion of the at least one frond is carried by a second portion of the first balloon that is inflatable to a second diameter that is larger than the first diameter.

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48. (New) The kit as in Claim 27, wherein the first balloon catheter comprises a single, stepped balloon having a proximal section with a larger inflated diameter than an inflated diameter of a distal section.

49. (New) The kit as in Claim 27, wherein the first balloon has an inflated profile with a first section having a first diameter, a second section having a second diameter, and a balloon transition in between the first and second sections, the branch vessel stent being carried by the first balloon, and wherein the branch vessel stent has a wall having a first wall pattern adjacent the first section of the balloon, and a second wall pattern adjacent the balloon transition.

50. (New) The kit as in Claim 49, wherein the branch vessel stent has a third wall pattern adjacent the second section of the balloon.